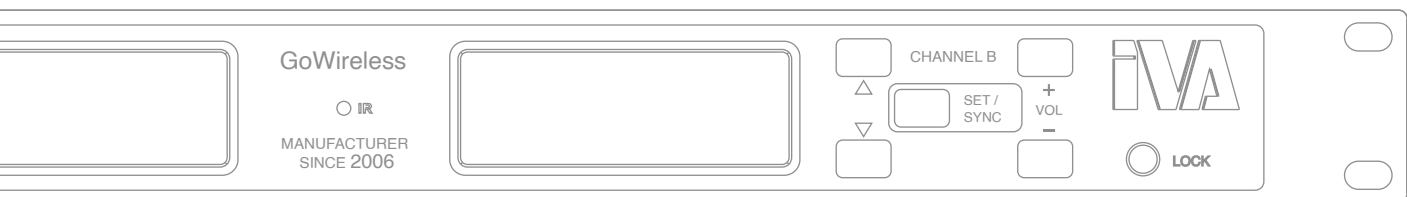


# GoWireless

## UHF Wireless Microphone



**USER MANUAL**

# TABLE OF CONTENTS

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• System components .....	2
• Features .....	3
• Quick start guide .....	5
• Single system setup .....	5
• Multiple system setup .....	7
• Tips to improve wireless system performance .....	7
• Stackable unit .....	7
• Getting good sound .....	8
• Batteries .....	8
• Power off .....	8
• Technical specifications .....	9
• Important safety instructions .....	10

## SYSTEM COMPONENTS

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Note: Your system comes with a combination of the following components:

### H2

- 1 x GoWireless Receiver
- 2 x Handheld Mic
- 1 x DC Power Supply
- 2 x Antenna
- 1 x Unbalance Jack-Jack cable

### BH

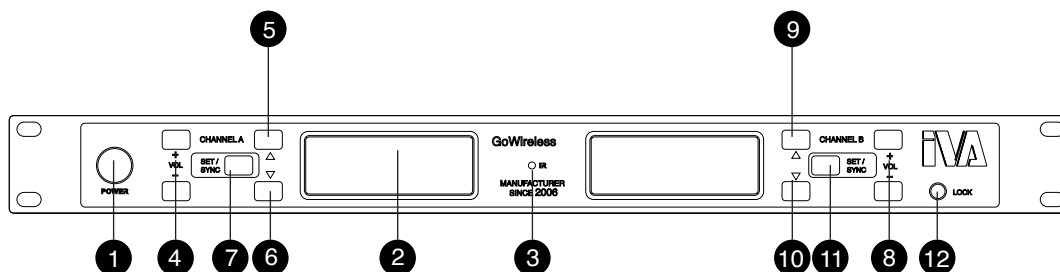
- 1 x GoWireless Receiver
- 1 x Handheld Mic
- 1 x GoWireless Bodypack
- 1 x Clipmic
- 1 x Headset Mic
- 1 x DC Power Supply
- 2 x Antenna
- 1 x Unbalance Jack-Jack cable

### B2

- 1 x GoWireless Receiver
- 2 x GoWireless Bodypack
- 2 x Clipmic
- 2 x Headset Mic
- 1 x DC Power Supply
- 2 x Antenna
- 1 x Unbalance Jack-Jack cable

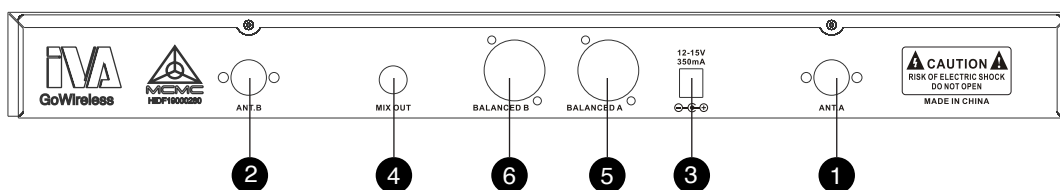
# FEATURES

## Front Panel



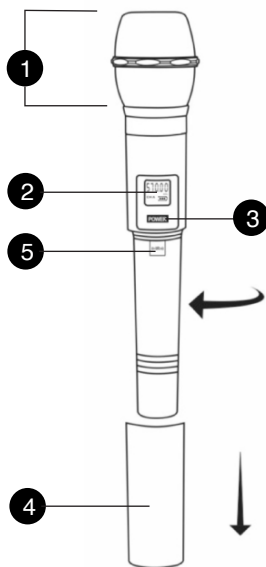
- |   |  |
|---|--|
| 1. Power Switch                             | 8. Volume Control CH B                       |
| 2. LCD display                              | 9. Frequency Increase Button of CH B         |
| 3. IR Infrared                              | 10. Frequency Decreasing                     |
| 4. Volume Control CHA                       | 11. Frequency Scanning / Sync Button of CH B |
| 5. Frequency Increase Button of CH A        | 12. Lock                                     |
| 6. Frequency Decreasing                     |  |
| 7. Frequency Scanning / Sync Button of CH A |  |

## Rear Panel



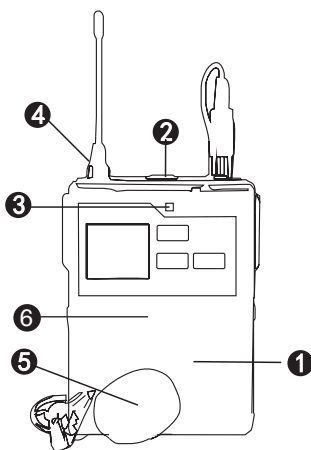
- |                                  |
|----------------------------------|
| 1. CH A Antenna                  |
| 2. CH B Antenna                  |
| 3. DC Input                      |
| 4. 1/4 inch jack audio Mix out   |
| 5. CH A Balanced (XLR) audio out |
| 6. CH B Balanced (XLR) audio out |

## Handheld Transmitter

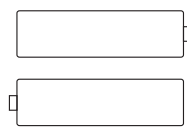


1. Microphone capsule / grill
2. LCD Display
3. Power
4. Battery cover
5. Infrared port to receive IR signal to synchronize frequencies.

NOTE: when using multiple systems, each time only one transmitter IR port should be exposed.



► (Optional)



2\*AA battery

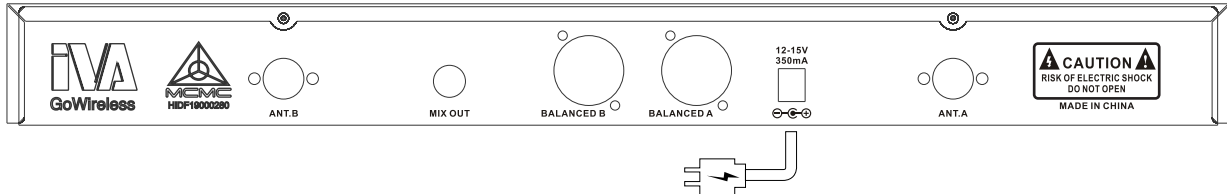
## Body-pack transmitter

1. Battery cover: Push forward to open the battery cover
2. Turn on power switch "ON", reverse is "OFF"
3. Power light
4. Input socket: Insert and tighten in a clockwise.
5. Collar microphone: for attaching to collars, ties or other instrument.
6. IR Infrared

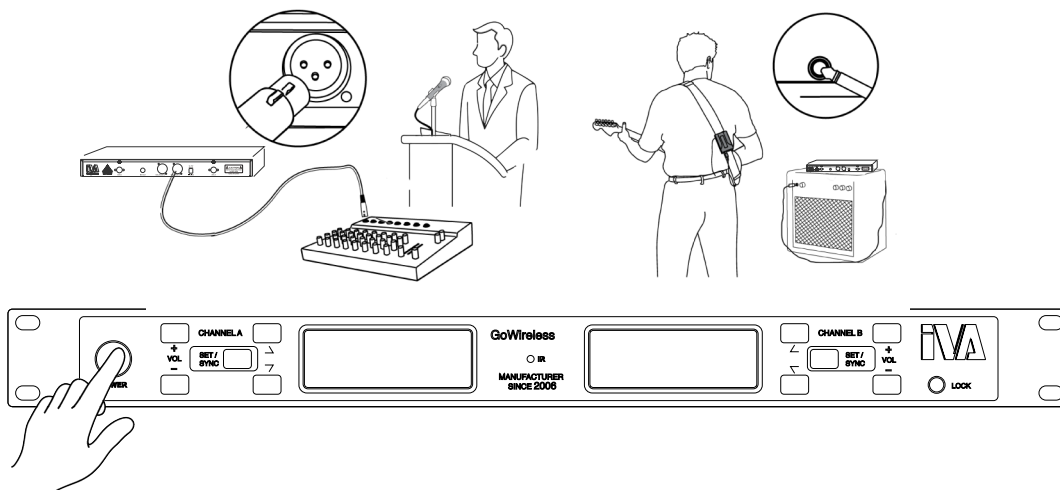
# QUICK START GUIDE



## Single Receiver Setup

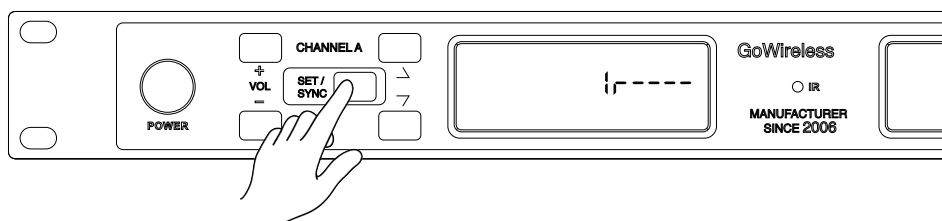
1. Connect receiver to power source



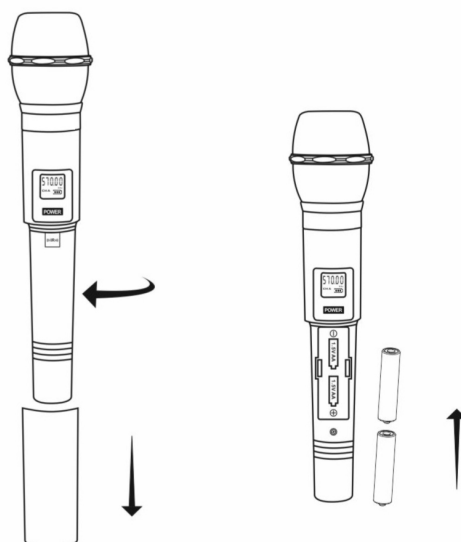
2. Connect receiver to mixer or amplifier. Hold power button to turn on.



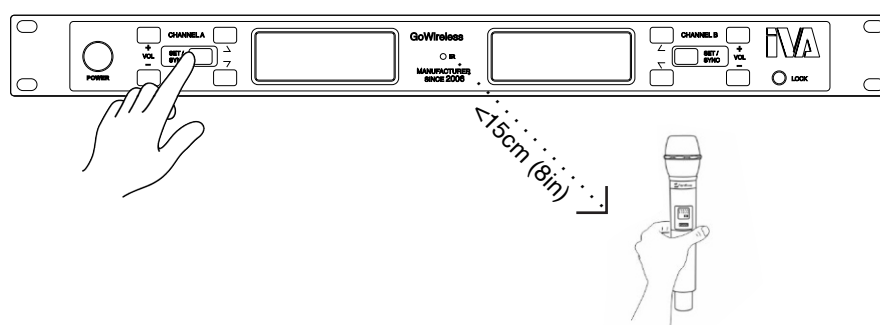
3. Press  button about two seconds, when the LCD display appear , it will enter the frequency sweep state, and different frequency points can be searched automatically.



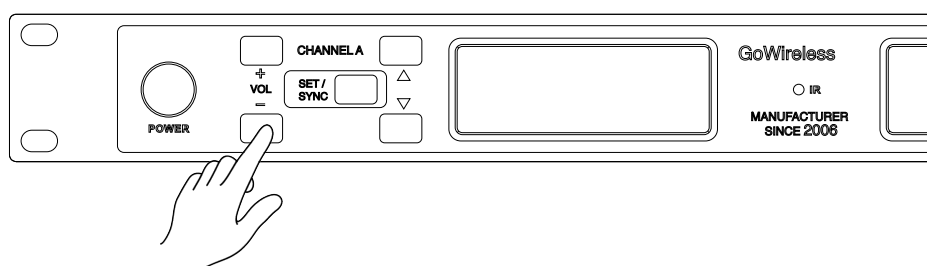
4. Install batteries and turn on transmitter.



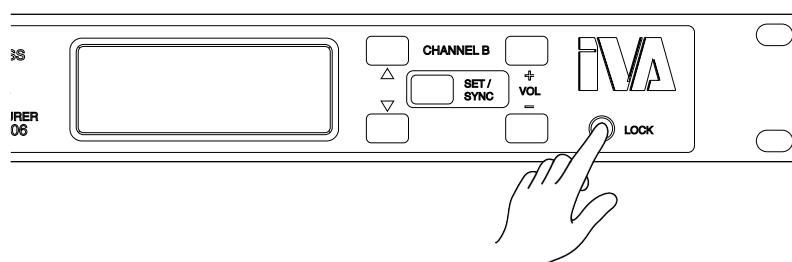
5. Hold one of the microphones with the microphone infrared frequency display screen facing the infrared frequency display screen on the microphone receiver.



6. If sound is too faint or distorted, adjust the gain accordingly.

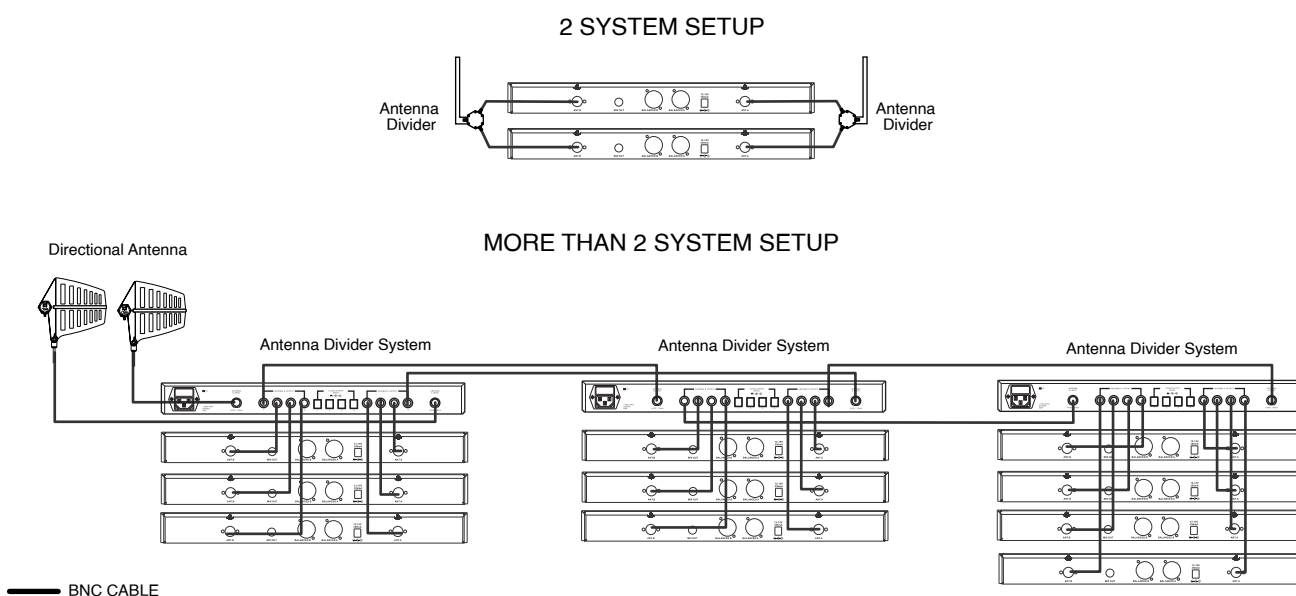


7. Lock key: When the frequency of the receiver and transmitter is matched successfully. Press and hold the lock the button. Until the display screen appears “LOC” indicates the lock is successful



## Multiple System Setup

Follow these steps when using multiple wireless microphone receiver systems in a single installation:



1. Turn all receivers on and all microphone transmitters off.
2. Perform Intelligent AI Frequency Scanning on the first receiver (see shown above).
3. Turn on the first transmitter.
4. Perform Automatic Transmitter Setup (see shown above). Leave the transmitter turned on. Repeat for each system.

## Stackable Unit

In a busy RF environment and increasing of demand of multiple transmitter to be operating in same venues and spaces, the frequencies coordination is a crucial setup for a problem free event flow. All stacked receiver must be properly handled with antenna distributor for antenna management and power cable management for best interference free operation. Assuming the RF in the entire range of IVA GoWireless is completely free of interference RF noise, the table below are the carefully calculated frequencies point that can be selected for each of the transmitter.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
MHz	470.3	579.5	470.8	578.5	472.3	576	476.8	570.5	480.8	563.5	490.3	552	501.3	544.5	513.3	530.5

## Tips to Improve Wireless System Performance

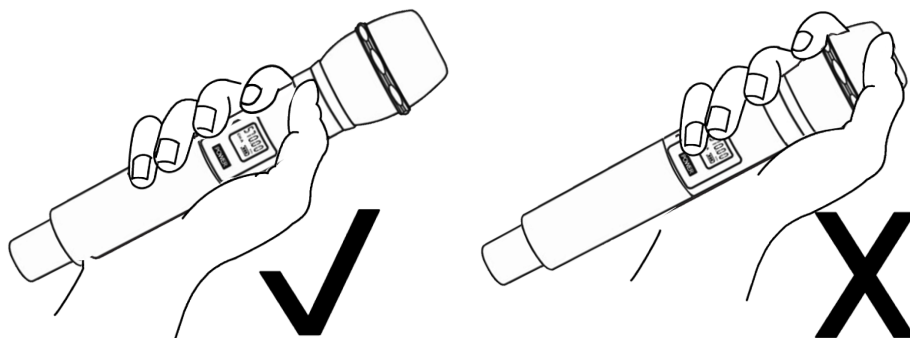
If you encounter interference or dropouts, try the following suggestions:

- Choose a different receiver signal
- Reposition the receiver so there is nothing obstructing a line of sight to the transmitter (including the audience)
- Avoid placing transmitter and receiver where metal or other dense materials may be present
- Move the receiver to the top of the equipment rack
- Remove nearby sources of wireless interference, such as cell phones, two-way radios, computers, media players, WI-Fi devices, and digital signal processors.
- Charge or replace the transmitter battery
- Keep transmitters more than two meters (6 feet) apart
- Keep the transmitters and receiver more than 5 meters (16 feet) apart
- During sound check, mark trouble spots and ask presenters or performers to avoid those areas

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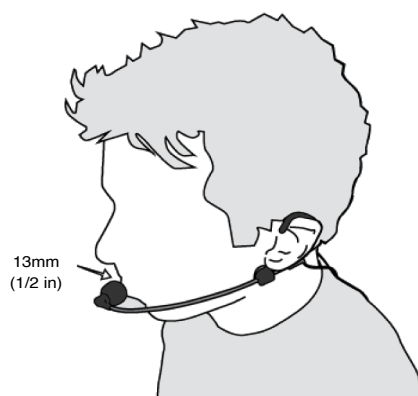
## GETTING GOOD SOUND

### Correct Microphone Placement



### Wearing the headworn Microphone

- Position the headworn microphone 13mm (1/2 in) from the corner of your mouth
- Position lavalier and headworn microphones so that clothing, jewelry, or other items do not bump or rub against the microphone.



### Adjusting Gain

Monitor the audio LED indicator on the receiver front panel when setting the transmitter gain.

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## BATTERIES

Expected life for AA batteries is up to 6 hours  
(total battery life varies depending upon battery type and manufacturer).

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## POWER OFF

Hold down the power button to power off the handheld.



# TECHNICAL SPECIFICATIONS

Main Frame Size:	EIA Standard 1U
Receiving Channel:	Two channels
Receiving Mode:	Non Diversity
Frequency Stability:	$\pm 0.003\%$
Carrier Frequency Range:	470 MHz – 520 MHz for CH A, 530 MHz – 580 MHz for CH B
Total Frequency Channel:	2 x 100 CH
Oscillation:	PLL Synthesis
Sensitivity:	>105 dB
Bandwidth:	100 MHz
Max. Deviation Range:	$\pm 48\text{KHz}$
S/N:	>103db(1KHz@A)
T.H.D:	<0.4 @ 1 kHz
Frequency Response:	45 Hz ~ 18 kHz $\pm 3\text{dB}$
Transmitter Transmission Strength:	30 mW for handheld & bodypack
Spurious Emission:	>55dBc
Operating Distance:	60 meters in line of sight & low RF noise environment
Antenna Interface:	2 x BNC
Audio Interface:	6.3mm unbalanced audio output, XLR balanced audio output
Max. Unit Stacking:	16 sets in low RF noise environments
Power Supply:	12 ~ 18 VDC
Battery:	AA 1.5V for handheld & bodypack
Battery Life:	~ 6 hours for handheld & bodypack
Power Consumption:	120 mA for handheld & bodypack
LCD Display:	Frequency, CH, Battery, RF, AF, MUTE for Receiver, Frequency, CH, Battery for Handheld & Bodypack
Dimensions (WxDxH):	420 x 180 x 44 mm
Weight:	2.2 kg
Packaging Dimensions (WxDxH):	515 x 78 x 394 mm
Packaging Weight:	3.8 kg

# IMPORTANT SAFETY INSTRUCTIONS

1. READ all instructions carefully.
2. KEEP these instructions for future reference.
3. FOLLOW all safety warnings.
4. ADHERE to every instruction provided.
5. KEEP the device away from water.
6. USE only a dry cloth for cleaning.
7. ENSURE proper ventilation by not blocking any vents. Install according to the manufacturer's guidelines.
8. KEEP the device away from heat sources (e.g., radiators, stoves, amplifiers). Avoid placing open flames nearby.
9. DO NOT tamper with polarized or grounding plugs. Use correct outlets; consult an electrician if a plug doesn't fit.
10. AVOID damage to the power cord—do not step on it or pinch it, especially near plugs and outlets.
11. ONLY use manufacturer-approved accessories.
12. USE carts, stands, or tripods as specified by the manufacturer. Be cautious when moving the unit on a cart to avoid tipping over.



13. DISCONNECT the unit during storms or when not in use for extended periods.
14. LEAVE repairs to qualified technicians. Contact a service professional if the unit is damaged by water, impact, or if foreign objects enter it.
15. KEEP the unit away from dripping or splashing liquids. Do not place objects containing liquid on it.
16. ENSURE the plug or coupler is easily accessible at all times.
17. The noise level of the unit does not exceed 70dB (A).
18. Devices with CLASS I construction should be connected to a grounded mains socket.
19. DO NOT expose the device to rain or moisture to reduce fire or electric shock risk.
20. DO NOT disassemble or modify the unit. This can lead to injury or equipment damage.
21. USE the device only within the recommended temperature range.

	This symbol indicates that dangerous voltage constituting a risk of electric shock is present within this unit.
	This symbol indicates that there are important operating and maintenance instructions in the literature accompanying this unit.

WARNING: Danger of explosion if incorrect battery replaced. Operate only with AA batteries.